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DATE: Wednesday, February 23, 2005

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| <input type="checkbox"/> | L6 | L5 and unwinding | 4 |
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| <input type="checkbox"/> | L4 | L2 and strip | 24 |
| <input type="checkbox"/> | L3 | L2 and (wound strip) | 0 |
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L6: Entry 3 of 4

File: USPT

Feb 1, 2005

US-PAT-NO: 6849124

DOCUMENT-IDENTIFIER: US 6849124 B1

TITLE: Soak on site and soak press cleaning system and method of using same

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|--------------|-------|----------|---------|
| Gasparrini; C. Robert | Port Chester | NY | | |
| Anselmo; Peter E. | Ridgefield | CT | | |
| Cano; Walter H. | Bridgeport | CT | | |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|--------------------------------|---------|-------|----------|---------|-----------|
| Baldwin Graphics Systems, Inc. | Shelton | CT | | | 02 |

APPL-NO: 09/ 094991 [PALM]

DATE FILED: June 15, 1998

PARENT-CASE:

This is a divisional of application Ser. No. 08/431,932 filed May 1, 1995, abandoned.

INT-CL: [07] B05 C 11/00

US-CL-ISSUED: 118/72; 118/423, 118/117, 118/249

US-CL-CURRENT: 118/72; 118/117, 118/249, 118/423

FIELD-OF-SEARCH: 118/423, 118/33, 118/419, 118/72, 118/123, 118/126, 118/258, 118/117, 118/249, 118/427, 118/262, 118/115, 118/114, 118/250, 118/60, 118/67, 118/68, 118/424, 68/22R, 26/272, 427/179, 427/428, 427/429, 427/369, 427/336

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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| | PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|--------------------------|----------------|---------------|---------------|-------|
| <input type="checkbox"/> | <u>564353</u> | July 1896 | Wagg | |
| <input type="checkbox"/> | <u>825744</u> | July 1906 | Millington | |
| <input type="checkbox"/> | <u>1128200</u> | February 1915 | Wagg | |

| | | |
|---|----------------|--------------------|
| <input type="checkbox"/> <u>1393296</u> | October 1921 | Lomax |
| <input type="checkbox"/> <u>1468351</u> | September 1923 | Ayres |
| <input type="checkbox"/> <u>2611717</u> | September 1952 | Sooy et al. |
| <input type="checkbox"/> <u>2884893</u> | May 1959 | Kabelitz |
| <input type="checkbox"/> <u>2964825</u> | December 1960 | Cocker |
| <input type="checkbox"/> <u>3207125</u> | September 1965 | Strandberg |
| <input type="checkbox"/> <u>3448529</u> | June 1969 | Erspamer et al. |
| <input type="checkbox"/> <u>3521600</u> | July 1970 | Toya |
| <input type="checkbox"/> <u>3548784</u> | December 1970 | Wenger |
| <input type="checkbox"/> <u>3681950</u> | August 1972 | Fleissner |
| <input type="checkbox"/> <u>3704151</u> | November 1972 | Aronoff |
| <input type="checkbox"/> <u>4016812</u> | April 1977 | Lauk et al. |
| <input type="checkbox"/> <u>4086387</u> | April 1978 | Triolo |
| <input type="checkbox"/> <u>4135448</u> | January 1979 | Moestue |
| <input type="checkbox"/> <u>4339481</u> | July 1982 | Beekhuis |
| <input type="checkbox"/> <u>4344361</u> | August 1982 | MacPhee et al. |
| <input type="checkbox"/> <u>4473929</u> | October 1984 | Green |
| <input type="checkbox"/> <u>4538541</u> | September 1985 | Zimmer |
| <input type="checkbox"/> <u>4642164</u> | February 1987 | Hanhikoski et al. |
| <input type="checkbox"/> <u>4860883</u> | August 1989 | Knaul et al. |
| <input type="checkbox"/> <u>4867064</u> | September 1989 | Hara et al. |
| <input type="checkbox"/> <u>4875260</u> | October 1989 | Vecchia |
| <input type="checkbox"/> <u>4934391</u> | June 1990 | Futch et al. |
| <input type="checkbox"/> <u>4986182</u> | January 1991 | Sawaguchi et al. |
| <input type="checkbox"/> <u>5009716</u> | April 1991 | Gerson |
| <input type="checkbox"/> <u>5012739</u> | May 1991 | Loos et al. |
| <input type="checkbox"/> <u>5069128</u> | December 1991 | Hara et al. |
| <input type="checkbox"/> <u>5104567</u> | April 1992 | Staehr |
| <input type="checkbox"/> <u>5125342</u> | June 1992 | Hara |
| <input type="checkbox"/> <u>5143639</u> | September 1992 | Krawack |
| <input type="checkbox"/> <u>5150653</u> | September 1992 | Hara |
| <input type="checkbox"/> <u>5176080</u> | January 1993 | Gasparrini et al. |
| <input type="checkbox"/> <u>5188754</u> | February 1993 | Weltman et al. |
| <input type="checkbox"/> <u>5194173</u> | March 1993 | Folkard et al. |
| <input type="checkbox"/> <u>5207160</u> | May 1993 | Harada |
| <input type="checkbox"/> <u>5277928</u> | January 1994 | Strandberg |
| <input type="checkbox"/> <u>5368157</u> | November 1994 | Gasparrini et al. |
| <input type="checkbox"/> <u>5450792</u> | September 1995 | Gegenheimer et al. |

☐
☐ 5509353 April 1996 Aoki
☐ 5974976 November 1999 Gasparrini et al.
☐ 6263795 July 2001 Gasparrini et al.

FOREIGN PATENT DOCUMENTS

| FOREIGN-PAT-NO | PUBN-DATE | COUNTRY | US-CL |
|----------------|----------------|---------|-------|
| 976030 | October 1975 | CA | |
| 2004511 | August 1971 | DE | |
| 2804801 | August 1979 | DE | |
| 3736397 | May 1989 | DE | |
| 3907611 | September 1990 | DE | |
| 0741034 | November 1996 | EP | |
| 0741036 | November 1996 | EP | |
| 0747218 | December 1996 | EP | |
| 0741034 | January 1997 | EP | |
| 0747218 | March 1997 | EP | |
| 0741036 | April 1997 | EP | |
| 0741034 | July 2000 | EP | |
| 0741036 | January 2001 | EP | |
| 0747218 | April 2002 | EP | |
| 1149396 | April 1969 | GB | |
| 2004511 | August 1971 | GB | |
| 1329601 | September 1973 | GB | |
| 1401528 | July 1975 | GB | |
| 4823503 | March 1973 | JP | |
| 5149242 | December 1976 | JP | |
| 5601230 | January 1981 | JP | |
| 63020525 | February 1988 | JP | |
| 1127762 | August 1989 | JP | |
| 2008055 | January 1990 | JP | |
| 2011329 | January 1990 | JP | |
| 3001952 | January 1991 | JP | |
| 3017623 | February 1991 | JP | |
| 3043270 | April 1991 | JP | |
| 4258244 | September 1992 | JP | |
| 4113960 | October 1992 | JP | |
| 4126855 | November 1992 | JP | |
| 5015470 | January 1993 | JP | |
| WO 9406633 | March 1994 | WO | |

OTHER PUBLICATIONS

Coating Equipment and Processes, Lockwood Publishing Co., Inc. New York, NY. (1970)
pp. 125-131 & 158-162.

ART-UNIT: 1734

PRIMARY-EXAMINER: Lamb; Brenda A.

ATTY-AGENT-FIRM: Morgan & Finnegan LLP

ABSTRACT:

An improved method and system for cleaning a cylinder of a printing press. One method involves soaking a strip of cleaning fabric on a press with a low volatility organic compound solvent. Excess solvent, if any, is removed to place the strip of cleaning fabric in functional equilibrium with the solvent. The cleaning fabric is then used to clean a cylinder. Alternatively, the strip of cleaning fabric is soaked on site by contacting the strip of cleaning fabric with the solvent and wrapping the strip of cleaning fabric into a cleaning fabric supply roll. The cleaning fabric is then brought in engagement with a printing press having a cylinder to be cleaned without disposing a sleeve around the fabric roll and without substantially disturbing the distribution of the solvent in the fabric roll and detrimentally affecting the cleaning ability of the fabric.

8 Claims, 10 Drawing figures

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20010045218 A1

Using default format because multiple data bases are involved.

L6: Entry 1 of 4

File: PGPB

Nov 29, 2001

PGPUB-DOCUMENT-NUMBER: 20010045218

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010045218 A1

TITLE: Soak on site and soak on press cleaning system and method of using same

PUBLICATION-DATE: November 29, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------|--------------|-------|---------|---------|
| Gasparrini, C. Robert | Port Chester | NY | US | |
| Anselmo, Peter E. | Ridgefield | CT | US | |
| Cano, Walter H. | Bridgeport | CT | US | |

US-CL-CURRENT: 134/6

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | WOMC | Draw Ds |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
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☐ 2. Document ID: US 20010008103 A1

L6: Entry 2 of 4

File: PGPB

Jul 19, 2001

PGPUB-DOCUMENT-NUMBER: 20010008103

PGPUB-FILING-TYPE: new-utility

DOCUMENT-IDENTIFIER: US 20010008103 A1

TITLE: Soak on site and soak on press cleaning system and method of using same

PUBLICATION-DATE: July 19, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------|--------------|-------|---------|---------|
| Gasparrini, C. Robert | Port Chester | NY | US | |
| Anselmo, Peter E. | Ridgefield | CT | US | |
| Cano, Walter H. | Bridgeport | CT | US | |

US-CL-CURRENT: 101/424; 101/425

ABSTRACT:

An improved method and system for cleaning a cylinder of a printing press. One method involves soaking a strip of cleaning fabric on a press with a low volatility organic compound solvent. Excess solvent, if any, is removed to place the strip of cleaning fabric in functional equilibrium with the solvent. The cleaning fabric is then used to clean a cylinder. Alternatively, the strip of cleaning fabric is soaked on site by contacting the strip of cleaning fabric with the solvent and wrapping the strip of cleaning fabric into a cleaning fabric supply roll. The cleaning fabric is then brought in engagement with a printing press having a cylinder to be cleaned without disposing a sleeve around the fabric roll and without substantially disturbing the distribution of the solvent in the fabric roll and detrimentally affecting the cleaning ability of the fabric.

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWAC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

3. Document ID: US 6849124 B1

L6: Entry 3 of 4

File: USPT

Feb 1, 2005

US-PAT-NO: 6849124

DOCUMENT-IDENTIFIER: US 6849124 B1

TITLE: Soak on site and soak press cleaning system and method of using same

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|--------------|-------|----------|---------|
| Gasparrini; C. Robert | Port Chester | NY | | |
| Anselmo; Peter E. | Ridgefield | CT | | |
| Cano; Walter H. | Bridgeport | CT | | |

US-CL-CURRENT: 118/72; 118/117, 118/249, 118/423

ABSTRACT:

An improved method and system for cleaning a cylinder of a printing press. One method involves soaking a strip of cleaning fabric on a press with a low volatility organic compound solvent. Excess solvent, if any, is removed to place the strip of cleaning fabric in functional equilibrium with the solvent. The cleaning fabric is then used to clean a cylinder. Alternatively, the strip of cleaning fabric is soaked on site by contacting the strip of cleaning fabric with the solvent and wrapping the strip of cleaning fabric into a cleaning fabric supply roll. The cleaning fabric is then brought in engagement with a printing press having a cylinder to be cleaned without disposing a sleeve around the fabric roll and without substantially disturbing the distribution of the solvent in the fabric roll and detrimentally affecting the cleaning ability of the fabric.

8 Claims, 10 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWAC | Draw D |
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☐ 4. Document ID: US 6263795 B1

L6: Entry 4 of 4

File: USPT

Jul 24, 2001

US-PAT-NO: 6263795

DOCUMENT-IDENTIFIER: US 6263795 B1

TITLE: Soak on site and soak on press cleaning system and method of using same

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|--------------|-------|----------|---------|
| Gasparrini; C. Robert | Port Chester | NY | | |
| Anselmo; Peter E. | Ridgefield | CT | | |
| Cano; Walter H. | Bridgeport | CT | | |

US-CL-CURRENT: 101/425; 101/424

ABSTRACT:

An improved method and system for cleaning a cylinder of a printing press. One method involves soaking a strip of cleaning fabric on a press with a low volatility organic compound solvent. Excess solvent, if any, is removed to place the strip of cleaning fabric in functional equilibrium with the solvent. The cleaning fabric is then used to clean a cylinder. Alternatively, the strip of cleaning fabric is soaked on site by contacting the strip of cleaning fabric with the solvent and wrapping the strip of cleaning fabric into a cleaning fabric supply roll. The cleaning fabric is then brought in engagement with a printing press having a cylinder to be cleaned without disposing a sleeve around the fabric roll and without substantially disturbing the distribution of the solvent in the fabric roll and detrimentally affecting the cleaning ability of the fabric.

24 Claims, 10 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWAC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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| Term | Documents |
|---|-----------|
| UNWINDING | 52672 |
| UNWINDINGS | 43 |
| (5 AND UNWINDING).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 4 |

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| (L5 AND UNWINDING).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 4 |
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L6: Entry 4 of 4

File: USPT

Jul 24, 2001

US-PAT-NO: 6263795

DOCUMENT-IDENTIFIER: US 6263795 B1

TITLE: Soak on site and soak on press cleaning system and method of using same

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|--------------|-------|----------|---------|
| Gasparrini; C. Robert | Port Chester | NY | | |
| Anselmo; Peter E. | Ridgefield | CT | | |
| Cano; Walter H. | Bridgeport | CT | | |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|--------------------------------|---------|-------|----------|---------|-----------|
| Baldwin Graphics Systems, Inc. | Shelton | CT | | | 02 |

APPL-NO: 09/ 211030 [PALM]

DATE FILED: December 14, 1998

PARENT-CASE:

This application is a continuation of U.S. patent application Ser. No.09/094,991, filed on Jun. 15, 1998, which is a continuation of U.S. patent application Ser. No. 08/431,932, filed on May 1, 1995, now abandoned.

INT-CL: [07] B41 F 35/00

US-CL-ISSUED: 101/425; 101/424

US-CL-CURRENT: 101/425; 101/424

FIELD-OF-SEARCH: 101/423, 101/424, 101/425, 15/256.51, 15/256.53, 15/256.56

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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| PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|---|--------------|------------------|-------|
| <input type="checkbox"/> <u>4016812</u> | April 1977 | Lauk et al. | |
| <input type="checkbox"/> <u>4860883</u> | August 1989 | Knaul et al. | |
| <input type="checkbox"/> <u>4986182</u> | January 1991 | Sawaguchi et al. | |

| | | |
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| <input type="checkbox"/> <u>5009716</u> | April 1991 | Gerson |
| <input type="checkbox"/> <u>5012739</u> | May 1991 | Loos et al. |
| <input type="checkbox"/> <u>5104567</u> | April 1992 | Staehr |
| <input type="checkbox"/> <u>5125342</u> | June 1992 | Hara |
| <input type="checkbox"/> <u>5143639</u> | September 1992 | Krawack |
| <input type="checkbox"/> <u>5176080</u> | January 1993 | Gasparrini et al. |
| <input type="checkbox"/> <u>5188754</u> | February 1993 | Weltman et al. |
| <input type="checkbox"/> <u>5194173</u> | March 1993 | Folkard et al. |
| <input type="checkbox"/> <u>5207160</u> | May 1993 | Harada |
| <input type="checkbox"/> <u>5368157</u> | November 1994 | Gasparrini et al. |
| <input type="checkbox"/> <u>5509353</u> | April 1996 | Aoki |

FOREIGN PATENT DOCUMENTS

| FOREIGN-PAT-NO | PUBN-DATE | COUNTRY | US-CL |
|----------------|-------------|---------|-------|
| 2804801 | August 1979 | DE | |
| 3736397 | May 1989 | DE | |
| 1149396 | April 1969 | GB | |
| 2004511 | August 1971 | GB | |

ART-UNIT: 284

PRIMARY-EXAMINER: Yan; Ren

ATTY-AGENT-FIRM: Morgan & Finnegan, LLP

ABSTRACT:

An improved method and system for cleaning a cylinder of a printing press. One method involves soaking a strip of cleaning fabric on a press with a low volatility organic compound solvent. Excess solvent, if any, is removed to place the strip of cleaning fabric in functional equilibrium with the solvent. The cleaning fabric is then used to clean a cylinder. Alternatively, the strip of cleaning fabric is soaked on site by contacting the strip of cleaning fabric with the solvent and wrapping the strip of cleaning fabric into a cleaning fabric supply roll. The cleaning fabric is then brought in engagement with a printing press having a cylinder to be cleaned without disposing a sleeve around the fabric roll and without substantially disturbing the distribution of the solvent in the fabric roll and detrimentally affecting the cleaning ability of the fabric.

24 Claims, 10 Drawing figures

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L6: Entry 4 of 4

File: USPT

Jul 24, 2001

US-PAT-NO: 6263795

DOCUMENT-IDENTIFIER: US 6263795 B1

TITLE: Soak on site and soak on press cleaning system and method of using same

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|--------------|-------|----------|---------|
| Gasparrini; C. Robert | Port Chester | NY | | |
| Anselmo; Peter E. | Ridgefield | CT | | |
| Cano; Walter H. | Bridgeport | CT | | |

US-CL-CURRENT: 101/425; 101/424

CLAIMS:

We claim:

1. A soak on press assembly for cleaning a cylinder of a printing press, the printing press comprising a frame and a cleaning fabric supply element mounted with respect to the frame and having a strip of cleaning fabric, the assembly comprising:

a low volaility compound solvent which does not evaporate readily at ambient temperature and pressure;

submerging means containing the solvent for soaking said strip of cleaning fabric with the solvent while on the press, said submerging means mounted with respect to the frame of the printing press;

removal means for removing excess solvent from said strip of cleaning fabric fed out of the cleaning fabric supply element and obtaining a damp strip of cleaning fabric, said removal means mounted with respect to the frame and located between the submerging means and the cylinder;

cylinder cleaning means mounted with respect to the frame for bringing said damp strip of cleaning fabric into contact with said cylinder and cleaning said cylinder; and

means for collecting said strip of cleaning fabric after it has been used to clean said cylinder and means supported by the free for guiding the strip of cleaning fabric from the supply element to the collecting means.

2. The soak on press assembly of claim 1 wherein said submerging means comprises a container containing said solvent, at least a portion of said cleaning fabric supply element dipped in said solvent.

3. The soak on press assembly of claim 2 in which said submerging means further comprises rotating means for rotating said cleaning fabric supply element to allow said strip of cleaning fabric to be soaked and saturated.

4. A soak on press assembly of claim 3 wherein said submerging means further comprises a dipping means for placing said strip of cleaning fabric into said solvent stored in said container to soak and saturate said strip of cleaning fabric.

5. The soak on press assembly of claim 4 wherein said removal means comprises a squeezing means for squeezing excess solvent from said strip of cleaning fabric.

6. The soak on press assembly of claim 5 wherein said squeezing means and said dipping means comprise a unitary structure.

7. The soak on press assembly of claim 2 further comprising means for removing said cleaning fabric supply element from said solvent.

8. A method of cleaning a cylinder of a printing press, the printing press comprising a frame, a take-up means, a cleaning fabric supply roll mounted with respect to the frame and having a strip of cleaning fabric, and means supported by the frame for guiding the strip of clearing fabric from the supply roll to the take-up means, the method comprising:

unwinding said strip of cleaning fabric from said cleaning fabric supply roll;

submerging said strip of cleaning fabric fed out of the cleaning fabric supply roll into a container on the press containing a solvent and soaking said strip of cleaning fabric with said solvent, said container mounted with respect to the frame of the printing press and located between the cleaning fabric supply roll and the cylinder;

removing excess solvent from said soaked strip of cleaning fabric; and

cleaning said cylinder with a cylinder cleaning means mounted with respect to the frame for bringing said strip of cleaning fabric containing solvent into contact with the cylinder, thereby creating a used strip of cleaning fabric which is received by the take-up means.

9. The method of claim 8 wherein a single roller is used to submerge said strip of cleaning fabric into the container and to remove excess solvent from said strip of cleaning fabric.

10. The method of claim 8 wherein said removal comprises using a squeezing roller to squeeze said strip of cleaning fabric, said squeezing roller mounted with respect to the frame and located between the container and the cylinder.

11. The method of claim 10 wherein the container includes a side extending above the level of the solvent in the container, said removal comprises squeezing said strip of cleaning fabric between said squeezing roller and said side of said container.

12. The method of claim 11 further comprising the step of adjusting a gap between said squeezing roller and said side of said container to control the amount of said solvent in said strip of cleaning fabric.

13. A soak on press assembly for use in a printing press, the printing press comprising a frame and a cylinder mounted with respect to the frame, the assembly comprising:

a mounting assembly affixed to the frame of said printing press to support said soak on press assembly;

a cleaning cloth supply roll mounted on the mounting assembly or the frame comprising a strip of cleaning fabric;

at least one container, said container mounted with respect to said mounting assembly and located between said cleaning cloth supply roll and said cylinder;

a low volatility, organic compound solvent which does not evaporate readily, at ambient temperature and pressure, said solvent located in said at least one container and at least a portion of said cleaning cloth supply roll placed within said solvent to soak and saturate said strip of cleaning fabric;

at least one squeezing roller operatively associated with said strip of cleaning fabric for removing excess solvent from said strip of cleaning fabric to obtain a strip of cleaning fabric saturated to functional equilibrium with said solvent;

a cylinder cleaning means mounted on the mounting assembly or the frame for bringing said functional equilibrium strip of cleaning fabric into contact with said cylinder to be cleaned and cleaning said cylinder; and

a take-up roll means mounted on the mounting assembly or the frame for collecting said strip of cleaning fabric.

14. A soak on press assembly mounted on a printing press, the printing press comprising a frame and a cylinder supported by the frame, said assembly comprising:

a mounting assembly affixed to the frame of the printing press,

a support mounted on the mounting assembly or frame for holding a strip of cleaning fabric;

at least one container, connected to said mounting assembly and located between the support for holding the strip of cleaning fabric and the cylinder, for storing a cleaning solvent and for receiving said strip of cleaning fabric to be submerged in the cleaning solvent; and

at least one squeezing roller adjacent said container for removing excess

solvent from said strip of cleaning fabric by contacting said strip of cleaning fabric with said at least one squeezing roller.

15. The soak on press assembly of claim 14 wherein said at least one squeezing roller is in a movedly fixed relationship with said container for adjusting the distance between said squeezing roller and a surface of said container to control the amount of solvent in said strip of cleaning fabric.

16. The assembly of claim 14 wherein said at least one squeezing roller includes at least a first and second roller and wherein said cleaning fabric is squeezed between said first and second rollers.

17. A soak on press assembly for use in a printing press cylinder cleaner comprising:

(a) a mounting assembly affixed to said printing press for supporting said soak on press assembly;

(b) a cleaning fabric supply roll comprising a strip of cleaning fabric, said cleaning fabric supply roll rotatably mounted on said mounting assembly;

(c) at least one container;

(d) a low volatility, compound solvent which does not evaporate readily at ambient temperature and pressure, said solvent located in said at least one container;

(e) a dipper at least partially submerged in said solvent, said strip of cleaning fabric adjacent to said dipper so that said strip of cleaning fabric is soaked and saturated in said solvent;

(f) a squeezer, said strip of cleaning fabric located within a gap between said squeezer and a surface of said container and in contact with said squeezer and said surface of said container so that said strip of cleaning fabric is squeezed and said excess solvent is removed from saturated cleaning fabric and placed in said at least one container and a strip of cleaning fabric saturated to functional equilibrium is obtained;

(g) cylinder cleaning means for bringing said strip of cleaning fabric into contact with said cylinder to be cleaned and cleaning said cylinder; and

(h) take-up means for collecting said strip of cleaning fabric.

18. The soak on press assembly as defined by claim 17 wherein said at least one container is a single container.

19. The soak on press assembly as defined by claim 18 wherein said dipper and said squeezer consists of a said roller.

20. The soak on press assembly as defined by claim 17 wherein said squeezer comprises a roller.

21. The soak on press assembly as defined by claim 17 wherein said dipper comprises a roller.

22. The soak on press assembly as defined by claim 17 wherein said squeezer is

in a movably fixed relation with said surface of said container so that the size of said gap between said squeezer and said surface of said container may be changed so that the amount of solvent in said strip of cleaning fabric may be adjusted.

23. A device for soaking cleaning fabric on a printing press, the printing press comprising a frame and a cylinder mounted with respect to the frame, the device comprising:

a cleaning fabric support for holding a strip of cleaning fabric, said cleaning fabric support connected to the frame of the press;

a container for storing a cleaning agent, the container connected to the press for receiving and soaking a portion of the cleaning fabric strip fed out of the cleaning fabric support, said container located between the cleaning fabric support and the cylinder; and

a squeezing surface for contacting the portion of the cleaning fabric after the portion of the cleaning fabric strip has been soaked, and removing excess cleaning agent therefrom before the portion of the cleaning fabric contacts the cylinder of the printing press.

24. A method of cleaning a cylinder of a printing press, the printing press comprising a frame, a take-up means, a cleaning fabric supply roll mounted with respect to the frame and having a strip of cleaning fabric, and means supported by the frame for guiding the strip of cleaning fabric from the supply roll to the take-up means, the method comprising:

unwinding said strip of cleaning fabric from said cleaning fabric supply roll;

submerging said strip of cleaning fabric fed out of the cleaning fabric supply roll into a container on the press containing a solvent and soaking said strip of cleaning fabric with said solvent, said container mounted with respect to the frame of the printing press and located between the cleaning fabric supply roll and the cylinder;

cleaning said cylinder with a cylinder cleaning means mounted with respect to the frame for bringing said strip of cleaning fabric containing solvent into contact with the cylinder, thereby creating a used strip of cleaning fabric which is received by the take-up means.

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